# Venkata Sriram

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| Summary of Expertise |
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- 9 years of IT industry experiences and 4 years in DevOps along with Configuration Management, Build Release Management and Cloud engineering.
- Experience as a DevOps Engineer in automating, building, deploying, and releasing of code using tools like **GIT, Maven, Jenkins, Docker and Ansible**.
- Implemented and provisioned **AWS** services like EC2, VPC, S3, ELB, RDS, SNS, SES, and monitoring services like Cloud Watch.
- Built customized Amazon Machine Images (AMI), deploy AMIs to multiple regions and launch EC2 instances using these custom images and monitoring of Amazon instances using Amazon Cloud Watch.
- Experience in hands-on Software Configuration Management (SCM) strategy and experience in Agile, Waterfall methodologies.
- Experience in working on source control tools like GIT.
- Involved in configuring and integrating the servers with different environments to automatically provisioning and creating new machines using CM/ Provisioning tool like Ansible.
- Experience on Continuous Integration (CI) and Continuous Deployment (CD) using various tools like **Jenkins**.
- Expertise in build tools like MAVEN for building deployable artifacts.
- Experience in integrating Jenkins with SonarQube as a Continuous Code quality tool to manage Quality Gates, Quality Profiles and Quality Rules and used Nexus to create & manage Artifacts across various projects.
- Worked on Docker for containerization of multiple applications
- Experience in using Ticketing Tools like JIRA, BMC Remedy, Service Now, PPMC.
- Experience in using Tomcat, Apache web servers. IBM Websphere Application servers for deployments.
- Knowledge in writing various automation scripts to automate manual tasks using Shell Scripts.

| Technical Expertise |
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| Domains worked | Telecom, Manufacturing, Aero, Automation, Banking |
| Version Control Tool | GIT, SVN, Bit Bucket |
| Build Tool | Apache Maven |
| CI/Infra Automation | Jenkins, Ansible |
| Cloud/Virtualization/Containerization Services | AWS, VMware ,Oracle virtual box and Docker |
| Application servers | IBM WebSphere Application Server, Apache Tomcat and Apache HTTP Server. |
| Operating System | Linux / Unix, Window Server. |
| Ticketing Tools | BMC Remedy, Service Now, PPMC, Jira. |

- Working as Team Lead in **L&T InfoTech** from January 2017 to till now.
- Worked as Senior Engineer Infra-Ops for **Honeywell** from January 2013 to October-2016.
- Worked as Linux admin in **Wipro** on behalf of Pyramid IT from November 2011 to December 2012.
- Worked as a Field Engineer in Reliance Communications on behalf of **IGATE** from January 2010 to November 2011.
- Worked as Technical Support Engineer in Eminosoft from September 2008 to January 2010.

## Education

- Completed **M.Sc in Information Technology** from Alagappa University.
- Completed B.Sc from S.V.University, Tirupati, Andhra Pradesh.
- Certified on Redhat Enterprise Linux.

## Work Experience

**#Project: 1**

**Jan 2017 – Till now**                                                                                     **L&T InfoTech**

**Name**          : Techops Team
**Client**          : Fidelity Investments, Bangalore
**Role**            : Devops Engineer
**Tools Used**      : Redhat Linux ,Amazon web services (AWS) EC2, S3,IAM,VPC,Glacier, EBS, GIT, Github, Ansible, Maven, Nexus, Jenkins, Docker,  Jira and Tomcat Apache.

**Responsibilities:**

- Involved in deploying the content cloud platform on Amazon AWS using EC2, S3, EBS and auto scaling to build highly scalable.
- Creating S3 buckets and managing policies for S3 buckets and Utilized S3 bucket and Glacier for storage and backup on AWS.
- Maintained the user accounts IAM Roles, Route 53(CNAME), VPC, SES, SQS and SNS services in AWS cloud.
- Responsible for maintaining Multiple DevOps tools & configuring across all projects GIT, Maven, Jenkins, and Ansible.
- Used Jenkins& Ansible to perform automated Continuous Builds and Deployments.
- Designed, Installed and Implemented Ansible configuration management system.
- Used Ansible to manage Web applications, Environments configuration Files, Users, Mount points and Packages.
- Worked on various Docker components like Docker Engine, Hub, Machine, Compose and Docker Registry.
- Setting up CI pipelines using Jenkins, Code Deploy & bash scripts.
- Administered and Engineered Jenkins for managing weekly Build, Test and Deploy chain, GIT with Dev/Test/Prod Branching Model for weekly releases.

- Managed the Maven Repository using Nexus tool to automate the build process and used the same to share the snapshots and releases of internal projects.
- Involved in JIRA as defect tracking system and configure various workflows, customizations and plug-ins for Jira bug/issue tracker. Integration of Jenkins with Jira, GitHub.
- Developed automated processes that run daily to check disk usage and perform cleanup of file systems on UNIX environments and for Jenkins periodic backups, Scheduled builds using shell scripting and CRONTAB.

**#Project: 2**

**Jan 2015 – Oct 2016**                                                                                              **Honeywell**

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| **Name** | **: Automation** |
| **Client** | **: Honeywell International Inc.** |
| **Role** | **: Build & Release Engineer** |
| **Tools Used** | **: GIT, SVN, github, Maven, Nexus, Jenkins, Jira and Tomcat Apache.** |

**Responsibilities:**

- Worked in an agile/scrum development team to deliver an end to end continuous Integration and deployment.
- Maintained Script in Maven to create JAR, WAR, EAR Artifacts and other build automation tasks.
- Experience with Linux and Windows environment including Shell Scripts, Git, github.
- Implementing a Continuous Integration and Continuous Deployment framework using Jenkins and Maven in Linux environment.
- Experience in SCM concepts: Branching, Merging, check in/out, Labeling, Packaging, Baselines and Releases.
- Worked on Jenkins continuous integration and for End-to-End automation for all build and deployments.
- Used Maven and pom.xml for doing Java build involving JAR,WAR, EAR files and 2 weeks build schedule.
- Deployed the Java applications into web application servers like Apache, Tomcat.
- Identify and coordinate deployment of appropriate modules to various test environments and production environments.
- Monitoring of Linux server environment and interacting with corresponding team.

**#Project: 3**

**June 2014 – Dec 2014**                                                                                              **Honeywell**

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| **Name** | **: MyAircraft (https://www.myaircraft.com)** |
| **Client** | **: Honeywell Aerospace Engineering** |
| **Role** | **: Middleware Admin** |
| **Tools Used** | **: RHEL 6.1, WebSphere Application Server 6.1, WebSphere MQ 6.1, WebSphere MB 6.1, IHS HTTP Server 6.1, Oracle 10g, SQL Server.** |
| **URL** | **: https://www.myaircraft.com** |

**Responsibilities:**

- ✓ Installed and configured Web Sphere Application Server Network Deployment edition.
- ✓ Involved in Creating and Managing the Nodes and Application Server's installation & Configuration of Apache HTTP Server.
- ✓ Created the Horizontal and Vertical Clustering Environments to achieve Workload management and failover.
- ✓ Configured Web Sphere Application Server Clustering both horizontally and vertically for Scalability, High Availability and Failover of Web Applications.
- ✓ Created JBDC Provider and Data source to interact Application with Oracle Database.
- ✓ Deploying enterprise J2EE applications on Web Sphere Application Server that involves EAR, JAR, WAR files.
- ✓ Responsible for maintenance and support of Internet and Intranet applications running on Web Sphere Application Servers in various environments Dev, Test, Pre-Prod, and Production.
- ✓ Configured plug-ins for Web Sphere Application Server.
- ✓ Applied Fix Packs, Cumulative fixes for Web Sphere application server.
- ✓ Configured and Enabled the Global Security System for WebSphere Admin Console Using LDAP User Registry
- ✓ Involved in trouble shooting and Performance tuning by tuning the Application server parameters like connection pool, web container thread pool and session management and EJB container dynamic caches to optimize performance by using Tivoli Performance Viewer.
- ✓ Support for performance team to gather all required data to evaluate the performance.
- ✓ Configured SSL on Apache HTTP server.
- ✓ Interaction and coordination with the customers for updating of the Tickets.
- ✓ Trouble shooting on issues such as out of memory, memory leaks, hung sessions and session replication using logs & traces files.
- ✓ Provided 24/7 on-call support on rotation basis for applications running in production on WebSphere Application servers.

**#Project: 4**

**Jan 2013 – May 2014**                                                                                          **Honeywell**

Name          : Honeywell Diagnostics Application (HDA - https://hda.myaircraft.com)
Client        : Honeywell Aerospace Engineering
Role          : Build and Deploy Engineer
Tools Used    : Windows 2008 R2, Apache Tomcat 7.0.52, IIS 7.5, JK Connector 1.2.37, SQL Server 2012.
URL           : https://hda.myaircraft.com

**Responsibilities:**

- ✓ Responsible to set-up the infrastructure in both QA and PROD environments.
- ✓ Created the 3 Windows Virtual Machines in Rackspace Cloud.
- ✓ Installed Apache Tomcat 7.0.52 and configured the JVM with required heap size and ports.
- ✓ Installed IIS 7.5 on second VM with required features.
- ✓ Integrated IIS and Tomcat using JK Connector 1.2.37.
- ✓ Created domain had.myaircraft.com in Domain controller in Rackspace cloud.
- ✓ Mapped domain hda.myaircraft.com with server's VIP.

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- ✓ Created the SSL certificate with the help of DigiCert and installed on IIS server.
- ✓ Set-up the Service monitoring set-up using site scope monitoring tool by working with ITSS monitoring Operation Center.
- ✓ Set-up the application performance monitoring using HP BSM tool by working with ITSS Monitoring Operation center.
- ✓ Configured the daily disk backups and data base backups.
- ✓ Applying the windows patches on regular basis.
- ✓ Supporting for the daily operations (deployments, working on incidents, etc.).

**#Project: 5**

**Nov 2011 – Dec 2012**                                                                                  **Wipro- Pyramid IT**

**Name**          **: DNS, DHCP & IP ADMIN**
**Client**          **: Wipro**
**Role**           **: Linux Admin, Infra & Operations (DNS & DHCP Admin)**
**Tools Used**   **: IPControl, Infoblox, BMC Remedy, Splunk.**

**Responsibilities:**
- ✓ Responsible for administration of DNS-DHCP-IPAM (DDI) Appliances (BT Diamond IP and Infoblox) located in US, CANADA, EUROPE, APAC regions.
- ✓ Responsible for handling DNS-DHCP, IP Address Management for 850+ Honeywell Global Sites.
- ✓ Working with International team on development of server administration rules and policies.
- ✓ Responsible for providing DNS-DHCP, Network related issues for RHEL, SUSE Linux, Solaris, Windows, and AIX servers.
- ✓ Escalation contact for DNS-DHCP outages at Honeywell – Rouge DHCP issues, Sites running out of Dynamic Leases, DNS Floods, connectivity issues etc.
- ✓ Allocate New IP Subnets as part of site expansion.
- ✓ Monitor IP Usage alerts and take proactive actions. (Expansion or clearing inactive Hosts)
- ✓ Developed a load balanced DNS grid and migrated existing legacy DNS data to new IPAM environment.
- ✓ Monitor the DNS traffic using Splunk and report the identified hosts to local Network Engineers to isolate them from the network.
- ✓ Perform Half Yearly WINS, DNS (intranet + External) DR simulation and document the results and share with the business recovery teams.
- ✓ Help Honeywell sites deploy new Equipment – Cisco, Avaya, Lync, Polycom Phones – by setting up vendor specific DHCP Options values on the DHCP server
- ✓ Coordinate with Project Leaders in migrated DNS-DHCP to IPAM Environment.
- ✓ Participate in technical bridge during LAN/WAN outages at Honeywell Sites and coordinate with ATT and other stake holders for resolution.
- ✓ Managed different domains, IP resources and troubleshooting of day-to-day problems regarding DNS and DHCP issues related to Honeywell.
- ✓ Resolution provision in accordance with ITIL Incident and Configuration Management Process.
- ✓ Attending Escalated Remote Technical support calls. Communicating RCA / RFOs post closure of the call.